

## WT1 Expression in Ovarian Malignant Surface Epithelial Tumors

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**Abstract :** Malignant surface epithelial ovarian tumors(SEOT) account for approximately 90% of primary ovarian cancer. We evaluate the immunohistochemical expression of WT1 protein among different histologic subtypes of SEOT. Immunohistochemistry for WT1 was done on 35 serous cystadenocarcinomas, 9 borderline serous tumors. A tumor was considered negative if < 1% of tumor cells were stained. Positive reactions were graded as follows: 1+, 1%-24%; 2+, 25%-49%; 3+, 50%-74%; 4+, 75%-100%. Of the 35 cases of ovarian serous cystadenocarcinoma 30(85.7%) were diffusely positive (3+, 4+), 4 showed reactivity of < 50% of the tumor cells (1+, 2+) and one were negative. All 9 borderline serous tumors showed immunoreactivity with WT1. WT1 is a good marker to distinguish primary ovarian serous carcinomas from other surface epithelial tumors.

**Keywords :** WT1, ovary, malignant, epithelial tumors

**Conference Title :** ICMHS 2023 : International Conference on Medical Immunology and Health Sciences

**Conference Location :** Dubai, United Arab Emirates

**Conference Dates :** March 16-17, 2023